

(FILE 'HOME' ENTERED AT 16:15:12 ON 14 MAY 1999)

FILE 'AGRICOLA, CAPLUS, BIOSIS, EMBASE' ENTERED AT 16:16:00 ON 14 MAY

1999

L1 72 S HORDOTHIONIN
L2 12 S HORDOTHIONIN (4A) (DNA# OR CDNA# OR GENE# OR NUCLEIC)
L3 3 S HORDOTHIONIN (P) METHIONINE
L4 24 S ENDOSPERM (4A) SPECIFIC (4A) PROMOTER
L5 39 S DIHYDRODIPICOLINIC ACID SYNTHASE
L6 22 S BRAZIL NUT PROTEIN
L7 11 DUP FEM L2 (1 DUPLICATE REMOVED)
L8 3 DUP FEM L3 (0 DUPLICATES REMOVED)
L9 15 DUP FEM L4 (9 DUPLICATES REMOVED)
L10 28 DUP FEM L5 (11 DUPLICATES REMOVED)
L11 16 DUP FEM L6 (6 DUPLICATES REMOVED)

=> d 17 ti 1-11

L7 ANSWER 1 OF 11 BIOSIS COPYRIGHT 1999 BIOSIS
TI Gibberellin-repressible gene expression in the barley aleurone layer.

L7 ANSWER 2 OF 11 CAPLUS COPYRIGHT 1999 ACS
TI High lysine derivatives of .alpha.-hordothionin retaining anti-fungal properties

L7 ANSWER 3 OF 11 CAPLUS COPYRIGHT 1999 ACS
TI Expression of biologically active hordothionins in tobacco. Effects of pre- and pro-sequences at the amino and carboxyl termini of the hordothionin precursor on mature protein expression and sorting

L7 ANSWER 4 OF 11 CAPLUS COPYRIGHT 1999 ACS
TI Sequence-tagged-site-facilitated PCR for barley genome mapping

L7 ANSWER 5 OF 11 BIOSIS COPYRIGHT 1999 BIOSIS
TI CLONING OF A BARLEY **GENE** ALPHA **HORDOTHIONIN** AND EXPRESSION IN TRANSGENIC TOBACCO.

L7 ANSWER 6 OF 11 BIOSIS COPYRIGHT 1999 BIOSIS
TI PLANT BIOTECHNOLOGY SYNTHETIC **HORDOTHIONIN GENES** AS TOOLS FOR BACTERIAL DISEASE RESISTANCE BREEDING.

L7 ANSWER 7 OF 11 AGRICOLA
TI Synthetic **hordothionin genes** as tools for bacterial disease resistance breeding.

L7 ANSWER 8 OF 11 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 1
TI Nucleotide sequence and endosperm-specific expression of the structural **gene** for the toxin .alpha.-**hordothionin** in barley (Hordeum vulgare L.)

L7 ANSWER 9 OF 11 CAPLUS COPYRIGHT 1999 ACS
TI CM-proteins and thionins in cereals: characterization and cloning of cDNA

L7 ANSWER 10 OF 11 CAPLUS COPYRIGHT 1999 ACS
TI Cloning and nucleotide sequence of a cDNA encoding the precursor of the barley toxin .alpha.-hordothionin

L7 ANSWER 11 OF 11 CAPLUS COPYRIGHT 1999 ACS
TI Polyadenylation site heterogeneity in mRNA encoding the precursor of the
barley toxin .beta.-hordothionin

=> d 18 ti 1-3

L8 ANSWER 1 OF 3 BIOSIS COPYRIGHT 1999 BIOSIS
TI High **methionine** derivatives of alpha-**hordothionin**.

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 1999 ACS
TI High **methionine** derivatives of .alpha.-**hordothionin**
for pathogen-control

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 1999 ACS
TI High-**methionine** derivatives of .alpha.-**hordothionin**
and the transformation of improved plant crops

=> d 19 ti 1-15

L9 ANSWER 1 OF 15 CAPLUS COPYRIGHT 1999 ACS
TI Barley endosperm and nucellus specific genes and promoters and their uses

L9 ANSWER 2 OF 15 AGRICOLA DUPLICATE 1
TI Barley BLZ1: a bZIP transcriptional activator that interacts with
endosperm-specific gene promoters.

L9 ANSWER 3 OF 15 CAPLUS COPYRIGHT 1999 ACS
TI An endosperm-specific DOF protein from barley, highly conserved in wheat,
binds to and activates transcription from the prolamins-box of a native
B-hordein promoter in barley endosperm

L9 ANSWER 4 OF 15 CAPLUS COPYRIGHT 1999 ACS
TI Plants expressing sense and antisense genes for starch branching enzymes
and the formation of starches with novel branching patterns and
properties

L9 ANSWER 5 OF 15 AGRICOLA DUPLICATE 2
TI Transgenic rice (Oryza sativa) endosperm expressing daffodil (Narcissus
pseudonarcissus) phytoene synthase accumulates phytoene, a key
intermediate of provitamin A biosynthesis.

L9 ANSWER 6 OF 15 CAPLUS COPYRIGHT 1999 ACS
TI Isolation and promoter characterization of barley gene Itr1 encoding
trypsin inhibitor BTI-CME: differential activity in wild-type and mutant
lys3a endosperm

L9 ANSWER 7 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS
TI Interactions between regulatory regions of the maize SH1 gene and the
truncated 35S **promoter** result in a strong **endosperm-**
specific promoter in tomato.

L9 ANSWER 8 OF 15 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 3
TI Interactions of the glutelin Gt3 5' flanking regulatory regions with rice
nuclear proteins

L9 ANSWER 9 OF 15 AGRICOLA
TI Interactions of the glutelin Gt13 5' flanking regulatory regions with
rice
nuclear proteins.

L9 ANSWER 10 OF 15 CAPLUS COPYRIGHT 1999 ACS
TI Control of gene expression for the genetic engineering of cereal quality

- L9 ANSWER 11 OF 15 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 4
 TI High level accumulation of soybean glycinin in vacuole-derived protein bodies in the endosperm tissue of transgenic tobacco seed.
- L9 ANSWER 12 OF 15 CAPLUS COPYRIGHT 1999 ACS
 TI A zein gene promoter fragment drives GUS expression in a cell layer that is interposed between the endosperm and the seed coat
- L9 ANSWER 13 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS
 TI IDENTIFICATION OF WAXY **PROMOTER** ELEMENTS THAT MEDIATE **ENDOSPERM-SPECIFIC** EXPRESSION IN MAIZE SUSPENSION CELLS.
- L9 ANSWER 14 OF 15 AGRICOLA DUPLICATE 5
 TI Structural and functional analysis of **promoter** from gliadin, an **endosperm-specific** storage protein gene of *Triticum aestivum* L.
- L9 ANSWER 15 OF 15 CAPLUS COPYRIGHT 1999 ACS
 TI Endosperm-specific activity of a zein gene promoter in transgenic tobacco plants

=> d l10 ti 1-28

- L10 ANSWER 1 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Increasing seed lysine content by lowering seed levels of lysine ketoglutarate reductase and increasing dihydrodipicolinate synthase levels
- L10 ANSWER 2 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Increasing the lysine and threonine content of the seeds of plants by introduction of genes for feedback-insensitive biosynthetic enzymes
- L10 ANSWER 3 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 1
 TI Effects of expressing *E. coli* threonine synthase in tobacco (*Nicotiana tabacum*) suspension culture cells on free amino acid levels, aspartate pathway enzyme activities, and uptake of aspartate into the cells
- L10 ANSWER 4 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Lysine-insensitive maize **dihydrodipicolinic acid synthase** and use of the gene in the development of high-lysine seed
- L10 ANSWER 5 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Chimeric genes and methods for increasing the lysine content of the seeds of corn, soybean and rapeseed plants
- L10 ANSWER 6 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 2
 TI Transgenic canola and soybean seeds with increased lysine
- L10 ANSWER 7 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS DUPLICATE 3
 TI Pyridine and piperidine derivatives as inhibitors of **dihydrodipicolinic acid synthase**, a key enzyme in the diaminopimelate pathway to L-lysine.
- L10 ANSWER 8 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Pyridine and piperidine derivatives as inhibitors of **dihydrodipicolinic acid synthase**, a key enzyme in the diaminopimelate pathway to L-lysine
- L10 ANSWER 9 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Biosynthesis of lysine in plants: The putative role of meso-diaminopimelate dehydrogenase.

L10 ANSWER 10 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 TI Transgenic crops with improved amino acid composition.

L10 ANSWER 11 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Increasing the lysine and threonine content of the seeds of plants by introduction of genes for feedback-insensitive biosynthetic enzymes

L10 ANSWER 12 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 TI A molecular approach to elevating free lysine in plants.

L10 ANSWER 13 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Enhancing the nutritional value of seed crops

L10 ANSWER 14 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Method of inducing lysine overproduction in plants

L10 ANSWER 15 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Cloning procedures of a lysine overproduction determining gene from *Nicotiana sylvestris*

L10 ANSWER 16 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 4
 TI Organelle DNA compositions and isoenzyme expression in an interspecific somatic hybrid of *Daucus*

L10 ANSWER 17 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 5
 TI Mechanism of resistance of a selected carrot cell suspension culture to S(2-aminoethyl)-L-cysteine

L10 ANSWER 18 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Effect of L-cystine on macromolecular changes during spore and parasporal crystal formation in *Bacillus thuringiensis* var. *thuringiensis*

L10 ANSWER 19 OF 28 AGRICOLA DUPLICATE 6
 TI Expression of aspartokinase, **dihydrodipicolinic acid synthase** and homoserine dehydrogenase during growth of carrot cell suspension cultures on lysine- and threonine-supplemented media.

L10 ANSWER 20 OF 28 BIOSIS COPYRIGHT 1999 BIOSIS
 TI EXPRESSION OF ASPARTO KINASE EC-2.7.2.4 DI HYDRO DI PICOLINIC-ACID SYNTHASE EC-4.2.1.52 AND HOMO SERINE DEHYDROGENASE EC-1.1.1.3 DURING GROWTH OF CARROT DAUCUS-CAROTA CULTIVAR DANVARS CELL SUSPENSION CULTURES ON LYSINE SUPPLEMENTED AND THREONINE SUPPLEMENTED MEDIA.

L10 ANSWER 21 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 7
 TI Regulation of lysine and threonine synthesis in carrot cell suspension cultures and whole carrot roots

L10 ANSWER 22 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 8
 TI **Dihydrodipicolinic acid synthase** of *Bacillus licheniformis*. Quaternary structure, kinetics, and stability in the presence of sodium chloride and substrates

L10 ANSWER 23 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Purification and characterization of **dihydrodipicolinic acid synthase** of *Bacillus licheniformis*

L10 ANSWER 24 OF 28 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 9
 TI Regulation of dihydrodipicolinate synthase during growth and sporulation of *Bacillus cereus*

L10 ANSWER 25 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Control of lysine biosynthesis in maize

L10 ANSWER 26 OF 28 CAPLUS COPYRIGHT 1999 ACS
 TI Control of dihydrodipicolinate synthase and aspartokinase during growth

and sporulation of *Bacillus cereus* cells

L10 ANSWER 27 OF 28 CAPLUS COPYRIGHT 1999 ACS
TI Regulation of **dihydrodipicolinic acid synthase**
and aspartokinase during growth and sporulation in *Bacillus cereus*

L10 ANSWER 28 OF 28 CAPLUS COPYRIGHT 1999 ACS
TI **Dihydrodipicolinic acid synthase** of *Bacillus*
licheniformis

=> d l11 t1 1-16

L11 ANSWER 1 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Genetic engineering of soybean seeds with decreased anti-nutritional
protease inhibitor levels and increased nutritional protein levels for
use
in animal feed

L11 ANSWER 2 OF 16 BIOSIS COPYRIGHT 1999 BIOSIS
TI Generation of a combination of mutations by use of multiple mutagenic
oligonucleotides.

L11 ANSWER 3 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Brazil nut (*Bertholletia excelsa* H.B.K. - Lecythidaceae Family). I.
Proteins. Nutritional studies

L11 ANSWER 4 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Reduction of undesirable endogenous protein levels in plant seeds by
expression of a second protein in the seeds

L11 ANSWER 5 OF 16 AGRICOLA DUPLICATE 1
TI A chimeric gene encoding the methionine-rich 2S albumin of the Brazil nut
(*Bertholletia excelsa* H.B.K.) is stably expressed and inherited in
transgenic grain legumes.

L11 ANSWER 6 OF 16 BIOSIS COPYRIGHT 1999 BIOSIS
TI A chimeric gene encoding the methionine-rich 2S albumin of the Brazil nut
(*Bertholletia excelsa* H.B.K.) is stably expressed and inherited in
transgenic legumes.

L11 ANSWER 7 OF 16 BIOSIS COPYRIGHT 1999 BIOSIS
TI High methionine **Brazil nut protein** binds
human IgE.

L11 ANSWER 8 OF 16 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 2
TI Allergenicity and tolerance to proteins from brazil nut (*Bertholletia*
excelsa H. B. K.)

L11 ANSWER 9 OF 16 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 3
TI Cloning and sequence analysis of a cDNA encoding a **Brazil**
nut protein exceptionally rich in methionine

L11 ANSWER 10 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Brazil nut (*Bertholletia excelsa* HBK) proteins: fractionation,
composition, and identification of a sulfur-rich protein

L11 ANSWER 11 OF 16 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 4
TI The amino acid sequence of the 2S sulfur-rich proteins from seeds of
Brazil nut (*Bertholletia excelsa* H.B.K.)

L11 ANSWER 12 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Thin sectioning, freeze fracturing, energy dispersive x-ray analysis, and
chemical analysis in the study of inclusions in seed protein bodies:
almond, Brazil nut, and quandong

L11 ANSWER 13 OF 16 CAPLUS COPYRIGHT 1999 ACS DUPLICATE 5
TI Protein supplementation of navy beans with Brazil nuts

L11 ANSWER 14 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Protein supplementation of Navy beans with brazil nuts

L11 ANSWER 15 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Brazil nut flour. Value of its protein

L11 ANSWER 16 OF 16 CAPLUS COPYRIGHT 1999 ACS
TI Study on the protein of Brazil nuts from Para